

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-014432**Date Inspected:** 27-May-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

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|------------------------------------|------------|---------------------|------------------------------|----------------------------------|------------|-----------|------------|
| CWI Name: | N/A | CWI Present: | Yes | No | | | |
| Inspected CWI report: | Yes | No | N/A | Rod Oven in Use: | Yes | No | N/A |
| Electrode to specification: | Yes | No | N/A | Weld Procedures Followed: | Yes | No | N/A |
| Qualified Welders: | Yes | No | N/A | Verified Joint Fit-up: | Yes | No | N/A |
| Approved Drawings: | Yes | No | N/A | Approved WPS: | Yes | No | N/A |
| | | | | Delayed / Cancelled: | Yes | No | N/A |
| Bridge No: | 34-0006 | Component: | Orthotropic Box Girder(OBG) | | | | |

Summary of Items Observed:

This CALTRANS OSM Quality Assurance Inspector (QA) Surendra Prabhu was present during the times noted above for observations relative to the fabrication of the Self Anchored Suspension (SAS) Superstructure being performed by Zhenhua Port Machinery Company (ZPMC) at Changxing Island, in Shanghai, China. QA observed and/or found the following:

LAY DOWN YARD.

The following Non Destructive Testing (NDT) Inspection carried out as per the ZPMC submitted Notification No. 005832.

Magnetic Particle Testing (MT)

This QA Inspector performed MT of 100% of the area previously tested and accepted by ZPMC Quality Control (QC) personnel. This QA generated MT report for this date. The members are identified as OBG Segment:10CE-Panel Point #94(East side) weld Components. Total number of welds MT Tested: 206 No's. The weld designations are review as follows:

1. DP318-001-062,064,066,067,069,071,072,074,075,077,079,080,082,083,085,087.
2. DP345-001-081,083,085,086,088,090,091,093,094,096,098,099,101,102,104,106,107,109,110,112,114.
3. DP345-002-081,083,085,086,088,090,091,093,094,096,098,099,101,102,104,106,107,109,110,112,114.
4. DP372-001-100,102,104,105,107,109,110,112,113,115,117,118,120,121,123,125,126,128,129,131,133,134,136,

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137,139,141.

5. DP399-001-100,102,104,105,107,109,110,112,113,115,117,118,120,121,123,125,126,128,129,131,133,134,136,137,139,141.

6. DP426-001-100,102,104,105,107,109,110,112,113,115,117,118,120,121,123,125,126,128,129,131,133,134,136,137,139,141.

7. DP453-001-100,102,104,105,107,109,110,112,113,115,117,118,120,121,123,125,126,128,129,131,133,134,136,137,139,141.

8. DP480-001-100,102,104,105,107,109,110,112,113,115,117,118,120,121,123,125,126,128,129,131,133,134,136,137,139,141.

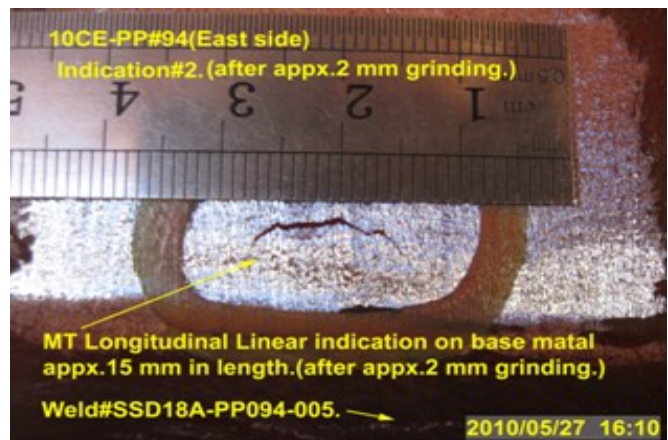
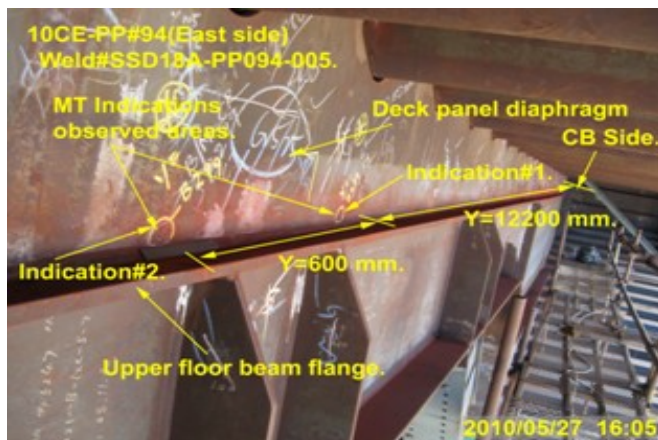
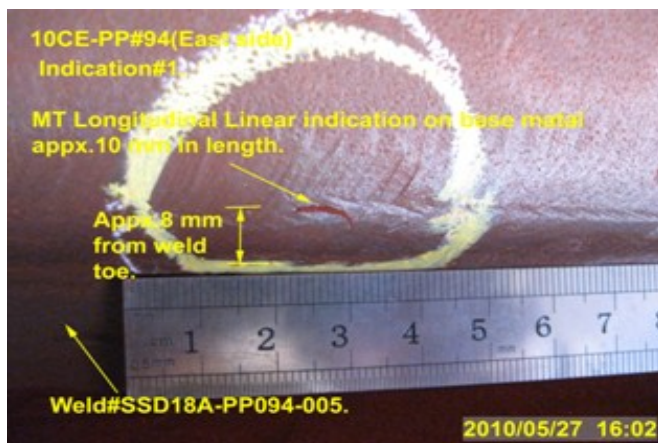
9. DP507-001-062,064,066,067,069,071,072,074,075,077,079,080,082,083,085,087.

10. SSD18-PP094-002.

11. SSD18A-PP094-005.

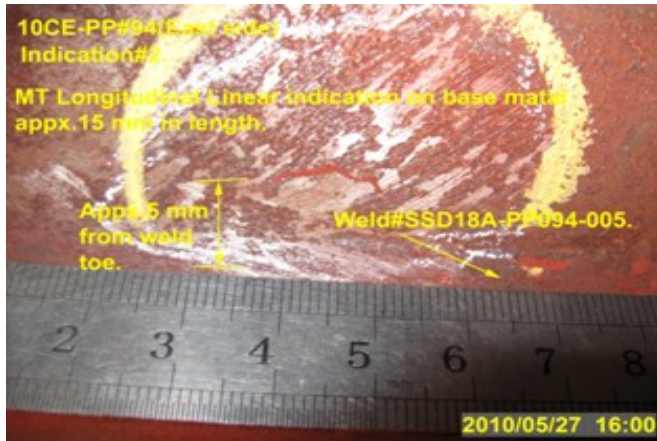
During MT this QA Inspector observed 2 (Two) Longitudinal linear indications were observed on the Deck panel diaphragm base metal. The length of the indications is appx.10 and 15 mm. The nearest weld No identified as: SSD18A-PP094-005. This QA informed to ZPMC QC identified as Mr. Wang wei ming of this issue and reported to the Team Leader for further action. Refer attached photos for reference.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



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Summary of Conversations:

Only general conversation was held between QA and Quality Control (QC) concerning this project.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 15000422372, who represents the Office of Structural Materials for your project.

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| Inspected By: | Prabhu,Surendra | Quality Assurance Inspector |
| Reviewed By: | Hall,Steven | QA Reviewer |
